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Tendercare

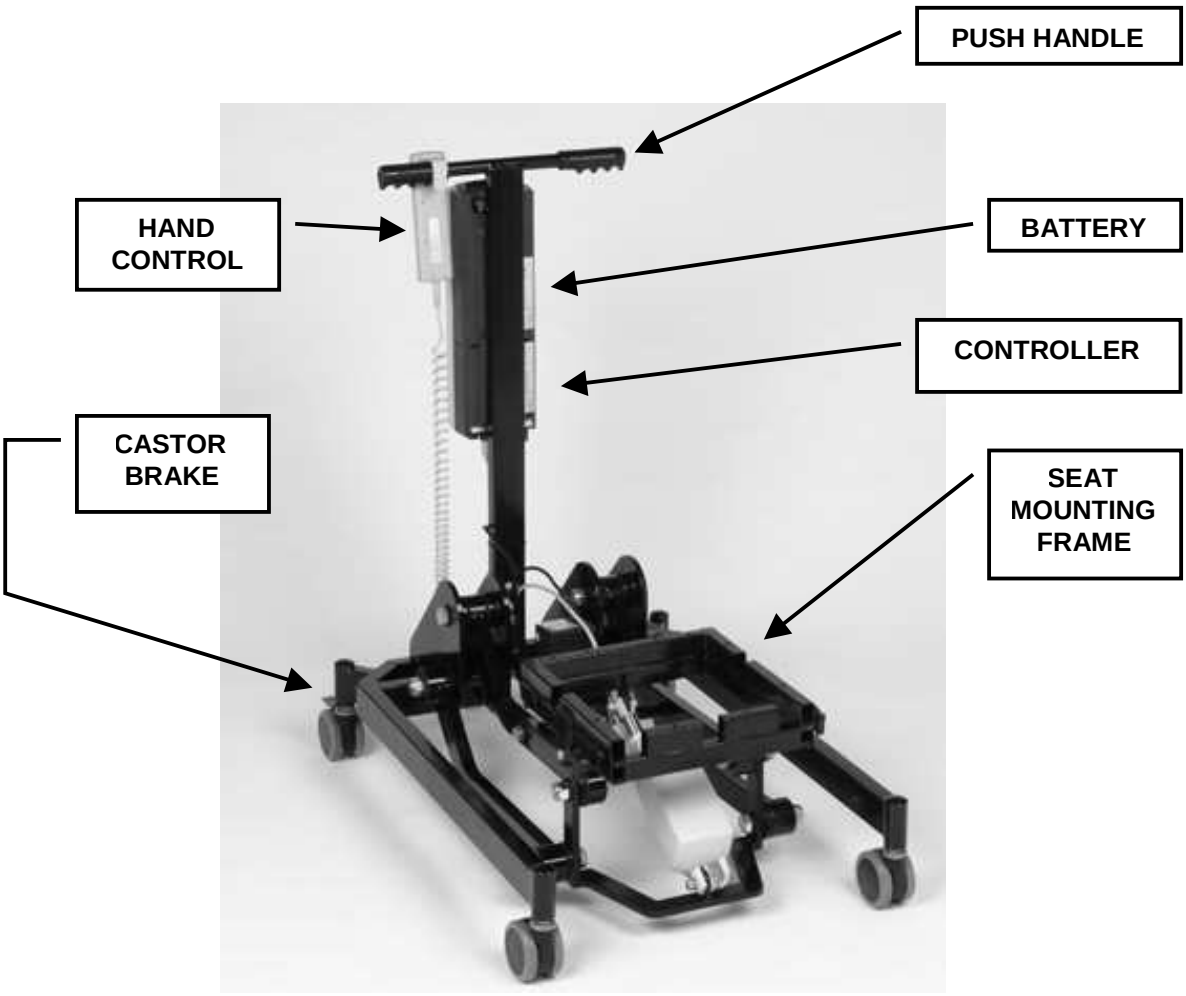
USER MANUAL

For

MULTI RANGER LIFTING SEAT

IMPORTANT

Please read these instructions carefully
Before using your lifting seat



TENDERCARE

MULTI RANGER LIFTING SEAT

TENDERCARE MULTI RANGER
WITH
TENDERCARE MODULAR SEAT

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1. Who to contact in difficulty

Tendercare Ltd
PO Box 3091, Littlehampton, BN16 2WF
Tel (01903) 726161 Fax (01903) 734083
Email: info@tendercareltd.com

2. Intended user

The Multi Ranger is intended for occupants with a weight limit of up to 65Kg who need to access various heights. The Multi Ranger can be used at school or home. It will effortlessly go from floor to above desk height at the touch of a button. Students are able to participate in all lessons without needing carer assistance to adjust chair height. At home, the Multi Ranger will allow access to dining tables, computer desks etc. The slim line narrow base is narrow enough to fit effortlessly through standard sized doorways.

The Multi Ranger Lifting Seat is a highly versatile and robust powered high/low lifting seat, which incorporates an independently powered operated Tilt in Space Facility. The seat will extend in height from 27cm to 78cm and has a seat tilting facility of up to 28°. The Multi Ranger Base is manufactured from Mild Steel and then finished in a high gloss Black Paint.

The Multi Ranger base is designed to be used with various Modular or off the Shelf Seating Systems.

3. Unpacking

The Multi Ranger may be delivered fully assembled ready for use. I this is the case you can skip the following sections and go directly to section 5 on page 8.

The Multi Ranger may also be supplied in packaging. In this case some assembly will be required and you should read the whole manual.

Warning the transit packaging is heavy so moving and unpacking must be done with care. Observe all lifting and handling regulations.

Remove the Multi ranger from the packaging and check that you have the following items: -

Item	Component	Number	Yes	No
1.	Multi Ranger Lifting Seat	1		
2.	Push handle	1		
3.	Push handle fixing bolts, nuts and washers	2		
4.	Battery	1		
5.	Battery charger	1		
6.	User Manual	1		

If any items are damaged or missing please contact Tendercare,
Preferably by fax 01903-734083 within 36 hours of delivery.

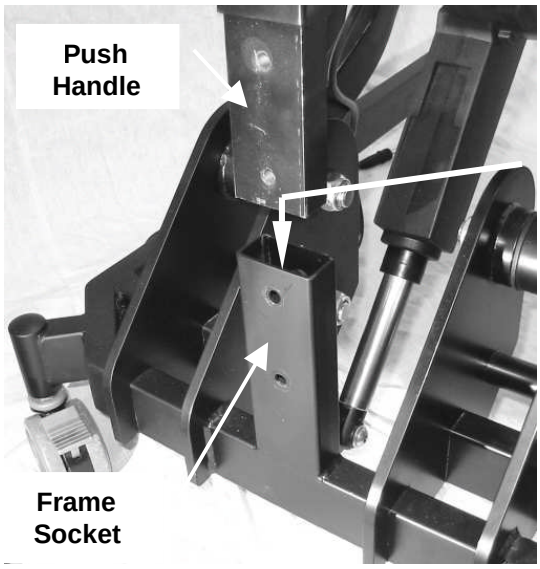
After unpacking and checking you have all components and that they are in good condition, carefully dispose of the packaging at your local recycling centre.

4. Preparing for use and operation

Warning: - when assembling the Multi Ranger for use, ensure that you hold the frame so that you avoid any danger of catching your fingers in moving parts.

The multi ranger needs a minimum amount of assembly as follows: -

4.1 Push handle



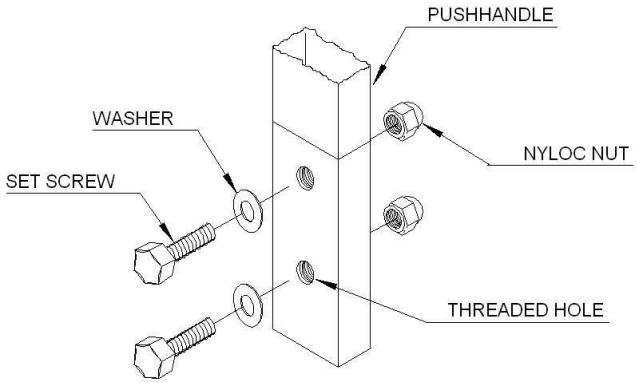
The push handle is supplied with nuts, bolts and washers to fasten it to the frame.

Hold the push handle so that the battery / controller is facing towards the back of the frame then insert the push handle into the socket in the frame. (See photo opposite).

Fasten the push handle to the frame as follows: -

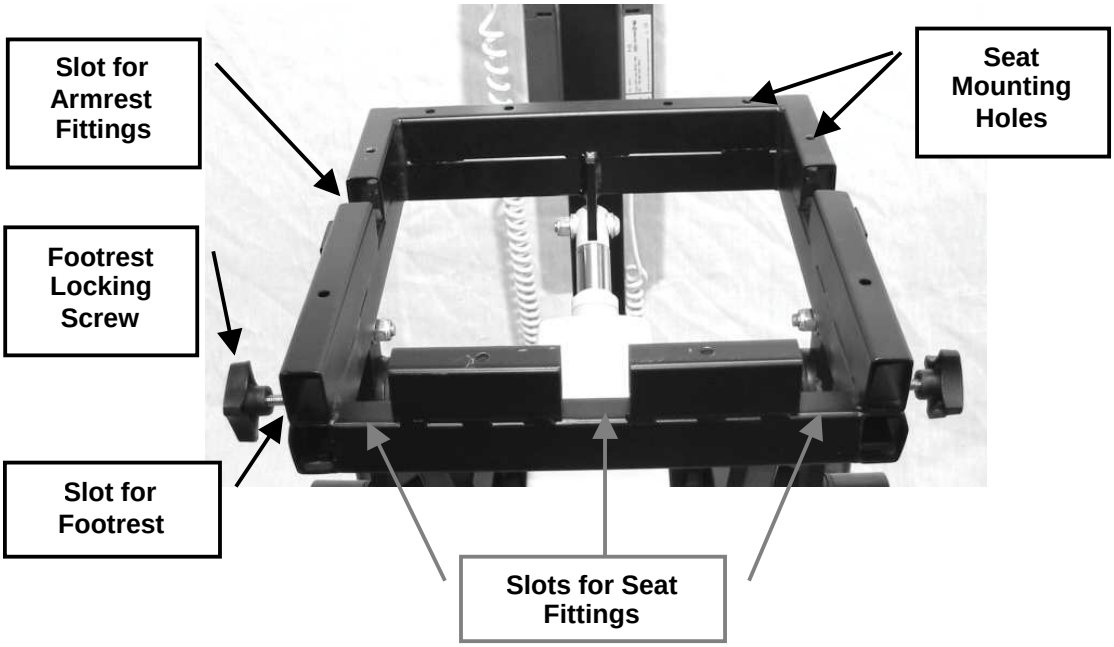
1. The push handle is supplied with two M8 Setscrews, Nyloc nuts and Washers.

2. Place a washer over a setscrew and screw it into the back of the frame. Using a 13 mm spanner tighten to 25Nm. Keeping the spanner on the bolt head to prevent it moving fit the Nyloc nut onto the screw and tighten to 25Nm using a second 13 mm spanner. (See Sketch 1 below).



SKETCH 1

4.2 Seat Unit



SEAT MOUNTING FRAME

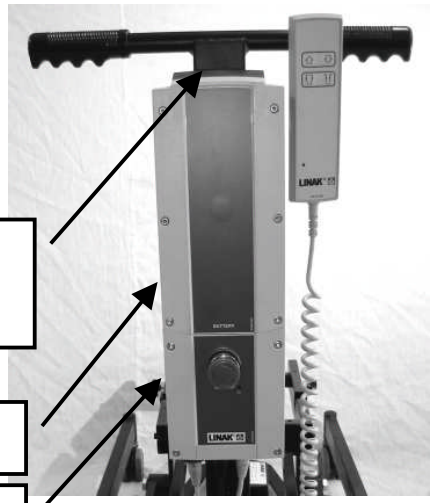
The seat unit will normally be fitted to the mounting frame before it is supplied. If this is the case the user need not take any action.

If the seat unit is supplied separately a competent person must fit it. They must follow the seat manufacturers instructions when fitting and adjusting the seat unit.

4.3 Fitting the battery

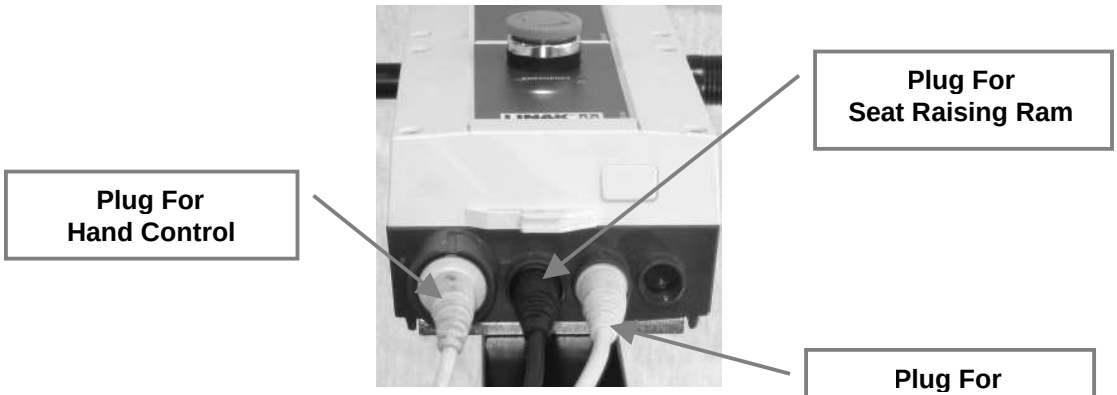
The battery sits on top of the controller, which is on the push handle. (See photo opposite). It is attached to its mounting bracket by a catch at the top. To fit the battery, place it on top of the controller and lock into place at the top by clicking the spring loaded catch on the battery over the mounting bracket on the push handle.

To remove the battery, squeeze the spring-loaded catch and lift off the controller.



Warning: - The battery is quite heavy take care not to drop it.

4.4 Controller Connections

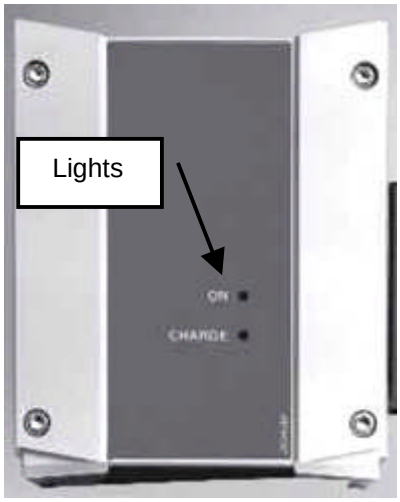


Controller Connections

The controller is supplied with all connections made. Should any of the plugs become detached they should be reconnected as shown in the photograph above.

5. Operating Instructions

5.1 Charging the battery



BATTERY CHARGER

The Multi Ranger is supplied with a wall mounted battery charger complete with wall mounting bracket. The bracket and charger should be firmly attached to a wall where there is sufficient room to give 50 mm clearance to the side, above and below the charger and battery. It should also be fitted near to an electricity socket.

To charge the battery, fit it to the charger by placing it on top of the charger and locking into place at the top by clicking the spring loaded catch on the battery over the charger-mounting bracket.

Plug in the charger and switch on the supply. The green light indicates the charger is connected to the mains. The yellow light indicates that the battery is properly connected and is charging. The battery will take approximately 4 hours to charge.

To remove the battery switch off the charger at the mains then squeeze the spring loaded catch on top of the battery and lift the battery off the charger.

Safety Tip: - When the charger is not in use switch off the mains supply or pull the plug out in order to prevent unintentional operation.

5.2 Emergency Stop

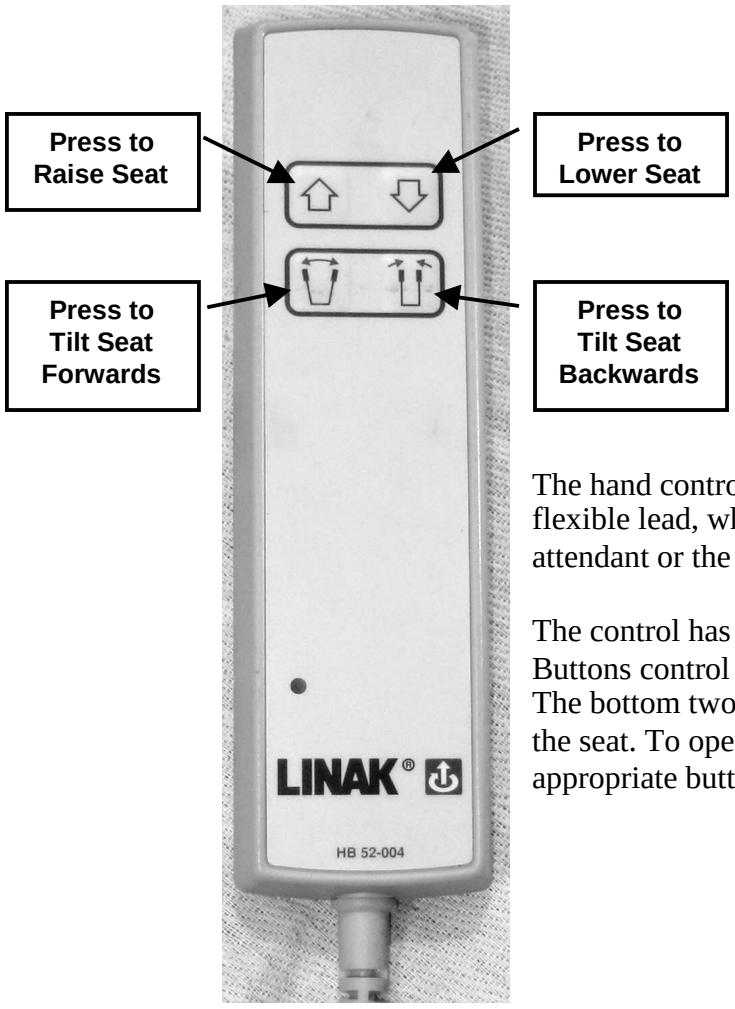
The emergency stop button is on the controller.

Push it to stop all movement of the seat. Twist it to the right and let go of the button to turn the controller back on. (See photo opposite).

Push to Switch OFF

Twist to the Right To Switch ON

5.3 Hand Control

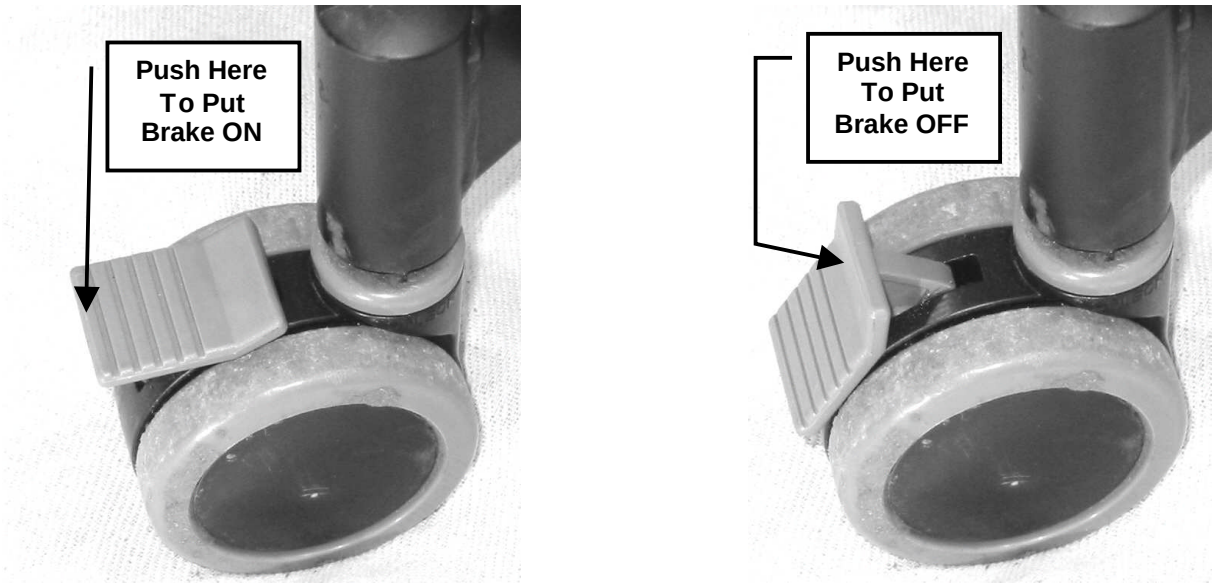


The hand control is connected to the controller via a flexible lead, which can be operated by either an attendant or the user.

The control has four buttons. The top two Buttons control the raising and lowering of the seat. The bottom two buttons controls the angle of tilt of the seat. To operate the controls simply press the appropriate button. (See photo opposite).

5.4 Castor brake

The Multi Ranger is fitted with two brakes one on each rear castor wheel. To put the brakes **ON** push the grey pedals down. To take brakes **OFF,** push the top of the grey pedals. (See photos below).



CASTOR BRAKE

5.5 Getting into the lifting seat

1) Put the brakes on.
2) Lower the seat to the lowest position.
3) Lower yourself onto the seat using the armrests (if fitted) for support.
4) Place your feet on the footrest (if fitted).

5.6 Getting out of the lifting seat

1) Put the brakes on.
2) Lower the seat to the lowest position.
3) Place arms on armrests.
4) Slowly push yourself up to a standing position.

6. Attendant Pushing

6.1 Pushing

1) The Multi Ranger has good stability even when raised but it is designed for use on hard flat floor surfaces. **It MUST NOT be pushed on steep slopes or steps.** It is easy to push but care should be taken when pushing and it is advisable to have the seat set in a low position. **Never force the Multi Ranger if it becomes stuck**, this may cause the Multi Ranger tip. If the Multi Ranger gets jammed move it away from the obstruction.

2) Always use two hands for pushing the Multi Ranger.

3) For the comfort of the occupant always avoid pushing too fast or making sudden fast turns. Many occupants are liable to be affected by rough handling, which can cause loss of confidence, discomfort or pain.

4) **DO NOT** push the Multi Ranger up, down or across steep slopes. It can be pushed on gentle slopes so long as the seat is in the **LOWERED POSITION.**

5) Always look well ahead so that you have plenty of time to avoid hazards.

6) Be considerate to, and watch out for, other people who may stop or suddenly change direction.

6.2 Brakes

1) Always put the brakes on when getting into or out of the Multi Ranger and when leaving the Multi Ranger unattended.

6.3 Comfort

1) Always be considerate to the occupant

2) Before use make sure the occupant is comfortably and correctly seated and that any safety straps of harnesses are correctly adjusted and used. Always ensure that both feet are on the footrests and that clothing is tucked in and cannot catch on the mechanism.

6.4 Lifting and general safety

1) The Multi Ranger is to be used by one person only. Never allow children to play on the Multi Ranger or stand on the footrests or frame.

2) Never try to lift the Multi Ranger when the user is sitting in it.

3) The Multi Ranger is quite heavy, for your own safety and good practice never lift the empty Multi Ranger on your own. Always use good lifting practice.

7. Cleaning

1) Whenever the Multi Ranger gets dirty it should be cleaned using a damp cloth and then dried thoroughly.
2) For more stubborn stains wipe with a damp cloth using a mild solution of warm water and soap.
3) Never use furniture polish or spirit to clean any part of the Multi Ranger.

8. Maintenance

8.1 Routine maintenance

The user or their family can easily carry out the following tasks. No tools are required.

1) Keep battery charged.
2) Check brake operation (weekly).
3) Check operation of the lifting and tilt mechanism (weekly).
4) Clean frame when necessary (we suggest at least once a week).

8.2 Six-monthly maintenance

Someone who is a competent tradesman or repairer should only carry out this work. If a major fault is found stop using the Multi Ranger until it has been corrected.

1) Examine the frame for any damage. If frame is damaged DO NOT use the Multi Ranger until it has been repaired.
2) Examine all pivot points for any damage or excessive play. If there is excessive play in the pivot points DO NOT use the Multi Ranger until it has been repaired.
3) Examine brake, castor wheel assemblies for wear, damage and correct operation. If a brake or castor does not operate properly DO NOT use the Multi Ranger until it has been repaired. The brake and castor assemble will have to be replaced as a complete item. Instructions for doing this are given in the workshop manual, which is available from Tendercare Ltd.

For all other repairs refer to your issuing authority or Tendercare Ltd.

9. Warranty

1) Tendercare undertakes to repair or replace free of charge, any parts or part found to be defective due to manufacturer within a period of 12 months from the date of delivery.
2) Tendercare Limited will not repair or replace free of charge any part or parts found to be defective due to abuse, misuse or lack of correct maintenance.
3) Equipment for warranty claims should be returned in a strong carton. There may be a charge for collection. Contact customer service department on 01903 726161.

10. Transporting

The Multi Ranger can be transported in the luggage area of a motor vehicle.

The Multi Ranger **MUST NOT** be used as a vehicle seat.

11. Repairs

1) Repairs; for all repairs contact your issuing authority.
2) Major repairs; for all major repairs e.g. bent or damaged frame, the equipment should be returned to the factory. Contact Tendercare Ltd customer services on 01903 726161.
3) An approved agent may carry out the following repairs and replacements. A workshop manual is available to repairers.

   The Repairs are replacement of brake castors, front castors, operating rams, controller and battery.

Important Points

1) Do not reuse Nyloc nuts. Always replace with a new Nyloc nut.
2) Always use Loctite thread locking compound Grade 241.
3) Always use recommended components and parts available from Tendercare Ltd.
4) Do not modify or repair the frame

NOTES